

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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Campus to Celebrate Diversity Week Nov. 18-23

Building on the Multicultural Community Days and Equity Conference successes of recent years, the Office of Human Relations Programs, in cooperation with dozens of other campus organizations, is sponsoring a week-long celebration of diversity at College Park.

According to one of the organizers, Vicky Foxworth (Human Relations), the expanded format, from Nov. 18-23, will allow time for a wider variety of events. Ranging from workshops and panels to festivals of music and dance, Diversity Week will also incorporate the annual Equity Conference.

A faculty relations sub-committee co-chaired by Jim Greenberg (Education) and Teddy Wu (Honors Program) is working to encourage members of the faculty to involve their students in some of the many activities planned for Diversity Week.

"We are attempting to enhance the impact of each of the planned

activities and to further highlight the ongoing campus commitment to diversity, equity, and the building of a genuine multicultural community at College Park," Greenberg says. "The program represents a special educational opportunity for the whole campus community and a potentially rich supplement to students' regular course work," he adds.

According to Greenberg, the committee is specifically asking teachers to:

- Involve students in consideration of issues and concerns in your field which pertain to matters of equity and diversity; discuss contributions of scholars of varying ethnic backgrounds and perspectives; explore implications of diversity for work environments in which your students will seek jobs in the future; and
- Encourage and/or assign students to attend some of the programs and presentations which will



be offered during Diversity Week. We teachers will have an exceptional opportunity to take advantage of some top flight resources

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Health Insurance Open Enrollment Under Way, Rates and Options to Change

Health Insurance Open Enrollment for College Park employees is underway now through Nov. 15. Plans will become effective Jan. 1, 1992.

The Personnel Services Office recommends that employees look closely at the various options and plans being offered. Rates for all plans have increased, and rates for the Blue Cross/Blue Shield Traditional Plan have increased dramatically, making it unlikely that the state will continue to offer the plan to employees.

"We strongly encourage employees who are currently with the Blue Cross/Blue Shield Traditional Plan to consider joining another plan during Open Enrollment," says Gene H. Edwards, manager of staff benefits.

At least 18,000 state employees must continue with the plan or it no longer will be offered. More than 1,400 College Park employees are currently with the plan.

According to Edwards, it is unlikely that enough employees will be interested in continuing with the plan because rates have increased by more than two-thirds for many options. Employees who are currently with the plan and do not change plans during the Open Enrollment period will automatically be changed by the state to the Comprehensive Plan as of Jan. 1, 1992 if the Traditional Plan is no longer offered by the state.

"The purpose of Open Enrollment is to allow employees to move from one plan to another

without penalty due to pre-existing conditions or other factors," says Dale O. Anderson, director of Personnel Services.

"We do encourage people who are thinking about changing from one plan to another to call their physicians to make sure these doctors participate in other offered plans and are accepting new patients under them," says Edwards.

According to Anderson, physicians often allocate a certain number of patient openings to different health plans and may not be accepting new or current patients under other plans. "It's a good idea to check before changing," he says.

A health benefits fair featuring representatives from various health organizations that are offering plans will be held Tuesday, Oct. 29 from 9:30 a.m. to noon and 1:30 p.m. to 4 p.m. in the Prince George's Room of the Stamp Student Union. Representatives will answer employee's questions about the various plans.

During Open Enrollment, employees not presently covered by a state health insurance program may enroll and employees already covered may add or delete dependents or may elect to enroll in a different program. Open Enrollment is the only period in which employees may cancel or change their state group programs.

Fariss Samarrai

IBFL to Hold Open House and Lecture

International Business and Foreign Language Studies will hold an open house Wednesday, Oct. 30 in the Language House Multi-Purpose Room from noon through 2 p.m. A lecture, "Cultural Sensitivity in the Global Marketplace: Who Cares?" and an accompanying video, "Bridging the Cultural Gap," will be presented by Deborah Maher, president of Synapse Inc. Faculty advisors in Chinese, French, German, Japanese, Russian and Spanish will be available to answer questions. For more information, call 405-2136.

University to Host Symposium on the "Unexpected Europe"

The Center for International Security Studies at Maryland (CISSM) has organized a major national symposium on "The Unexpected Europe and Its Implications for the United States."

The symposium will be held Friday, November 15 at the Center of Adult Education.

Panel discussions will include "Economic Dynamics in the New Europe," "Socio-Political Change in the New Europe," and "Security Policies in the New Europe."

Participants in the discussion on "Economic Dynamics in the New Europe" include Peter Murrell, UMCP professor of economics; Deputy Assistant Secretary of State for European Affairs Richard Kauzlarich; Eliza Patterson, an international economist with the International Trade Commission;

Gary Hufbauer, Wallenberg professor of international financial diplomacy at Georgetown University and a senior fellow at the Institute for International Economics; and Mancur Olson, UMCP professor of economics.

"Socio-Political Change in the New Europe" panelists include the university's Distinguished International Executive in Residence, Townsend Hoopes; Sidney Tarrow, professor of government at Cornell University; David Barker of the European Value System Study Group in London; Jane Kramer of *The New Yorker*; and Ted Robert Gurr, professor of government and politics at the university.

The final discussion of "Security Policies in the New Europe" will include the university's Distinguished Professor of Economics

Thomas C. Shelling; Jim Hoagland, associate editor and chief foreign correspondent for *The Washington Post*; Gregory Treverton, a fellow on the Council on Foreign Relations in New York; Stephen Szabo of the School of Advanced International Studies at The Johns Hopkins University; and Catherine Kelleher of The Brookings Institute and on leave from CISSM and the university's School of Public Affairs.

Ralf Dahrendorf, warden of St. Antony's College at Oxford will be the luncheon speaker. He will speak on "Europe and America: The Longer View."

Registration for the symposium is \$20, including lunch and coffee breaks. To register, contact Bola Dawson or Karen Lasher at 405-4772.

Reliability Engineering Crosses Multiple Disciplines

The resources of the College of Engineering, the College of Business and Management and local industry are being combined this fall in a course that exemplifies the interdisciplinary nature of reliability engineering.

Nine instructors are lecturing and presenting laboratory demonstrations in "Reliability and Failure Analysis Laboratory" (ENRE 674), a course in the graduate program in reliability engineering.

Instructors from the College of

Engineering include: Benjamin Newsom, software reliability (Engineering Research Center), Anthony Vizzini, composite materials construction and failure modes (Aerospace), Thomas Fuja, fault tolerant design (Electrical/SRC), Michael Pecht, electronic packaging failure modes (Mechanical), Lourdes Salamanca-Riba, electron microscopy (Materials and Nuclear), and Richard Arseneault, mechanical failure analysis (Materials and Nuclear).

From the College of Business and Management: Michael Ball, network reliability, and Scott Grimshaw, design of experiments.

And from Litton Amecom, Joseph LeStrange, failure analysis of microcircuits.

The program was approved two years ago by the Maryland Higher Education Commission and offers the M.S. and Ph.D. degrees in reliability engineering. Forty-five students currently are enrolled.

Faculty Encouraged to Involve Classes in Diversity Week Activities

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during this week, and we hope they are seen as relevant educational experiences available to your students.

Greenberg invites faculty phone calls and queries (405-3154) about the program.

Cyril Ponnampuruma (Chemistry) will be the keynote speaker at the opening ceremony for Diversity Week on Nov. 18 from 12:30 to 1:30 p.m. in the Grand Ballroom Lounge of Stamp Union. Also opening on Nov. 18 are two exhibits, a 400-work display on South African women of all races in the Union's Parents Association Gallery and an African Diaspora exhibit in the Prince George's Room.

Highlights from the many other scheduled activities for the week include: art and artifact exhibits; a selection of multi-cultural and international movies, followed by discussions; panel discussions of inter-cultural dating and relationships, learning and physical disabilities, and religious diversity;

ethnic music and dance performances; an offering from Dining Services of a multi-cultural Thanksgiving meal; an international coffee hour; a Chinese film festival; and a campus-wide racial unity march.

In addition to the Human Relations office, some of the other sponsoring organizations include: SEE Productions, the Maryland Awareness Coalition, the Department of Campus Parking, the College of Arts and Humanities, the Language Center, the Student Union Program Council, and the Women's Center.

On Oct. 17 the Campus Senate endorsed a resolution of support for Diversity Week 1991.

An upcoming issue of *Outlook* will carry a special Diversity Week calendar. For further information about any of the week's activities, call Foxworth in the Office of Human Relations Programs, 405-2844.

Linda Freeman

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

Kathryn Costello	Vice President for Institutional Advancement
Roz Hiebert	Director of Public Information & Editor
Linda Freeman	Production Editor
Lisa Gregory	Staff Writer
Tom Otwell	Staff Writer
Gary Stephenson	Staff Writer
Fariss Samarrai	Staff Writer
Beth Workman	Staff Writer
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Judith Blair	Art Director
John Consoli	Format Designer
Stephen Darrou	Layout & Illustration
Chris Paul	Layout & Illustration
Al Danegger	Photography
Linda Martin	Production
Kerstin Neteler	Production Intern

Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Remembrance of Life Program

In conjunction with AIDS Awareness Week, there will be a Remembrance of Life program on Nov. 13 with a candlelight march followed by a program in the Chapel where faculty, staff, students and alumni will reflect on personal experiences with AIDS. Music, short readings, and names of persons lost to AIDS will be shared. Those wishing to attend should meet at the sun dial on the campus mall at 5 p.m. where the march will begin. Anyone interested in speaking or submitting a name to be read should call Marjory Small at 405-3606.

NEWS

Senate Calls for Action on Budget Crisis

At its Oct. 17 meeting the Campus Senate hammered out four resolutions calling for university action on the budget crisis, and swiftly passed all four, three of them unanimously.

The mood of the senators was summed up in the discussion of the first resolution: "We're mad as hell and we're not going to take it any more." The resolutions call for a Campus Senate letter to the governor and legislators, for follow-up action to the letter, for the creation of a campus-wide budget education day during the fall semester, and for the preparation of a petition to the Board of Regents.

The text of the resolutions is as follows:

- Resolution 1—A motion that this Senate body draft a letter to Governor Schaefer with copies to the legislature.
- Resolution 2—A motion to direct the appropriate committees to follow up on the letter that is sent to the governor and legislators, to make the case in Annapolis and to mobilize the people to show up and make the case in a very reasonable way. (Comment: include members from AAUP, Faculty Guild and other local groups.)
- Resolution 3—Resolved that the Campus Senate supports the designation of a University Budget Education Day during the fall semester. (Comment: Faculty could use class time to educate students; faculty need to be educated as well.)
- Resolution 4—A petition: Whereas, the structure of the University System places primary responsibility for the overall welfare

of the System on the Board of Regents, and

Whereas, the UMCP community has not seen evidence of effective representation of the System's interest to the government and citizens of Maryland,

Now, therefore be it resolved that the College Park Campus Senate requests that the Executive Committee charge the appropriate Senate committee with preparing a petition addressed to the Board of Regents from UMCP faculty, staff and students.

The petition should 1) express disappointment in the lack of Regents' action in presenting the case for higher education to the government and citizens of Mary-

land and 2) express the willingness of the campus to work with the Regents towards this end.

Be it further resolved that the appropriate committee shall be charged with distributing the petition across the campus for faculty, staff and student signatures so that the petition can be presented to the Regents by November 19, 1991. (Comment: Once the petition is developed, the Executive Committee of the Senate should write a covering letter explaining the purpose of the petition and what it is and send that letter to the other senates within the University of Maryland System with the suggestion that they might want to suggest a similar sort of petition.)

Molecular Biologist Tony Hunter to Speak Nov. 6

Leading molecular biologist Tony Hunter will come to campus Nov. 6 as a Distinguished Lecturer to the Ph.D. Program in Molecular and Cell Biology. The program is sponsored by the Colleges of Life Sciences and Agriculture and the Center for Agricultural Biotechnology. Hunter, a professor of molecular biology at the Salk Institute, La Jolla, Calif., and the University of California at San Diego, studies enzymes of the *src* family. He will speak at noon, Wed., Nov. 6, in room 1208 of the Zoology-Psychology Bldg. Call 405-6991 for information.



Tony Hunter

New Campus Map is Valuable Aid for Visitors

Columbus may have accidentally found his way across the Atlantic without a map, but visitors to College Park will no longer have to chart faltering courses by the stars alone. A handsome new, four-color map is now available to assist campus guests.

This indispensable new tool for successfully finding campus destinations was developed for the Visitors Center and Campus Guest Services.

A special feature of the new map is the color-coding of university buildings by primary use—red for academic and support facilities, green for housing and dining locations, etc. Buildings, which are numbered on the map, are cross-listed in accompanying tables in three different ways: by primary use, by number, and alphabetically by name.

The map is also full of written information that should prove useful to someone unfamiliar with the campus: highlights of academic programs; dining, shopping and entertainment offerings; sight-seeing attractions on and off campus; and—of course—parking details.

Working closely with Nick Kovalakides of the Visitors Center and Pat Perfetto of Campus Guest Services, the Office of Public Information researched and wrote the copy for the new map, and the Office of Creative Services created the design.

Campus Guest Services will distribute a sample map to campus departments in the near future. Additional maps will then be available for purchase from Campus Guest Services, 0101 Annapolis Hall.



CIBER to Sponsor Telecommunications Panel

The Center for International Business Education and Research (CIBER) will sponsor a seminar on "Shaping Public Policy in Telecommunications," Tuesday, Oct. 29 from 5 p.m. to 6:15 p.m. in Room 0130 Tydings Hall. Robert T. Blau, director of policy analysis at BELL SOUTH Corp., will be guest speaker. CIBER executive in residence Charles H. Miller, and CIBER director Lee Preston will respond to Blau's remarks. For information, call 405-2136.

Fledgling Broadcasters Test Wings with 'Maryland Update'



1990 Broadcast Journalism Graduate Angela Davis

When broadcast journalism students go looking for jobs in the near future, they will have more than a resume and a firm handshake to offer prospective employers.

With their required involvement in the cable television show, "Maryland Update," students also will have professional, hands-on experience in an actual television news program.

"Maryland Update" is a news show featuring stories about the university, written and produced by students.

"We're the video 'Diamond-back,'" explains broadcast journalism Instructor Chet Rhodes, who is director of Computing and broadcast Services in the College of Journalism, and who supervises the students and oversees the show.

Each semester, the students in Rhodes' introductory broadcast journalism class take turns writing, editing, producing, reporting and anchoring the five to ten minute program.

"They all have a chance to do everything," says Rhodes. "Everything's done right here on the third floor."

Rhodes is referring to the impressive new broadcast studio and facilities located in the Journalism Building.

Though it began less than two years ago, Rhodes credits "Maryland Update's" origin to journalism professor Ben Holman, who set up a show called "Tuesday Weekly" in the late 70s on the Prince George's County Public Access Cable TV Channel. At that time, students traveled to the cable company to produce the show.

By 1989, however, the campus had its own cable outlet, the Flagship Channel, and the broadcast journalism sequence had their own brand-new television studio.

Rhodes graduated from College Park in 1984 with a B.S. in broadcast journalism. From there he spent three-and-a-half years with UPI's radio network before returning to the College of Journalism in 1987 to direct its broadcast and computer programs.

"There are two philosophies to our program in broadcast journal-

ism," Rhodes says. "One of them is basically that this is a writing program, teaching students how to write broadcast news, and we're here to teach them to be good journalists."

"The second part of that philosophy is the reality of the broadcast business. If you don't know anything about the equipment, you're lost. So we also have to give the student production experience."

"I think our course and the facilities at the college are an excellent example of the right fit of equipment and writing that gets the students a good, broad experience."

Some of Rhodes' former students agree.

"The show prepared me in such a tremendous way—it introduced me to every aspect of broadcast journalism that I later had to do in the professional world," says former student Angela Davis, who graduated in 1990 with a B.S. in broadcast journalism.

Davis says that her resume tape consisted of field reports from "Maryland Update" and "Tuesday Weekly." Davis worked for a year at CNN in Atlanta and is now with WUSA in Washington, D.C. in the Channel 9 reporter/trainee program.

"Maryland Update" runs every half hour on Tuesdays and Thursdays, beginning at 6:30 p.m. on the University of Maryland's Flagship Channel.

And with the expansion of the Flagship Channel this fall into Montgomery County, more viewers than ever will be able to watch "Maryland Update."

Wendy Babbitt

Clinic Available for Campus Globe Trotters

Faculty, staff and students planning to travel abroad to exotic lands can arrange a pre-trip visit with Dr. Judith Perry at the Health Center's travel clinic to learn the do's and don'ts of overseas travel. A free service provided by the Health Center, the travel clinic offers travelers before-and-after trip consultations and prescribed vaccines.

Initially, Perry meets with travelers and reviews their itinerary, focusing on problems they may encounter in that specific area. Topics discussed include food, water, insects—especially mosquitoes—altitude, and sun.

"People don't realize that when you say 'Don't drink the water,' it means 'Don't even brush your teeth with it.' The results can ruin your trip!" Perry says.

Several weeks before travelling, people are encouraged to set an appointment with Perry through the Health Center.

The clinic prescribes all vaccines that are appropriate to the travel-

er's destination, eliminating the need to visit several doctors to get the various shots necessary for safe travel.

Although the service is free, travelers have to pay for the shots and medication they receive.

Travel to certain parts of the world, especially South America, Africa, and Asia, requires more vaccines than others, according to Perry.

"We deal with everything from the student going to Cancun for spring break and staff attending a business meeting in Beijing, to professors doing research in a jungle," she says. "We really deal with the whole gamut of travel, which makes the program interesting."

Perry says the number of travelers she sees increases at the end of semesters and just before breaks, since people travel most during those time periods.

Perry is available by appointment at 314-8184 during Health Center hours. She recommends that travelers bring their immunization

records.

"Over the past six years the service has expanded, and so has my knowledge," she says. As new vaccines become available, the clinic offers them to travel clinic users.

She says her knowledge stems mostly from her own travel and research. Recently UMBC asked Perry to run its travel clinic.

In conjunction with the university's medical school in Baltimore, the clinic plans to create a low cost first aid-type kit that includes hypodermic needles and syringes for travelers. It would reduce the risk of AIDS if shots became necessary when travelling in a less medically advanced area.

The clinic also is drafting a follow-up questionnaire for travelers, which the Health Center will use as a means of collecting data to use in improving the service.

Debra Durocher

Nominees for Chair of Hebrew and East Asian Sought

The Department of Hebrew and East Asian Languages and Literatures is conducting a search for a new chair. The search committee asks that names of potential candidates be forwarded to Hank Dobin, associate professor of English and chair of the search committee, not later than December 1. Dobin's office is Room 3101, South Campus Surge Building. He can be reached at 405-3806.

Dead Sea Scrolls Will Be Focus of Colloquium

Since their discovery in 1947, the Dead Sea Scrolls have attracted the attention of the scholarly world. Now, with controversy raging over the scrolls' delayed publication, UMCP's Joseph and Rebecca Meyerhoff Center for Jewish Studies is presenting "The Dead Sea Scrolls, A Community and its Literature," on Sunday, November 3, in the University's Center for Adult Education.

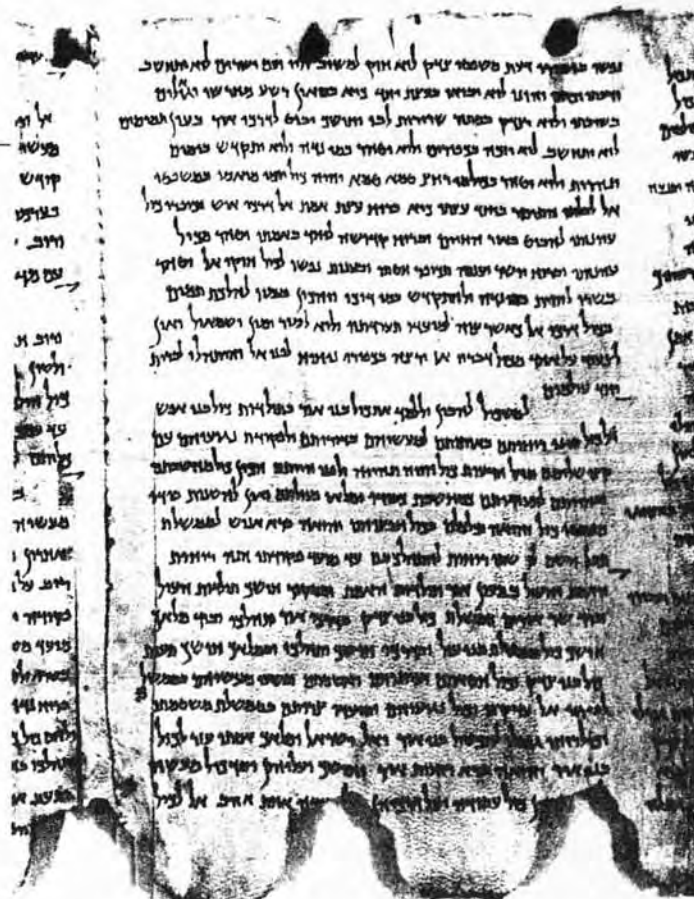
This colloquium, the 19th in a series of Maryland Colloquia in Jewish Studies, will "clarify what the scrolls are and shed light on the community that produced them," explains Adele Berlin, colloquium co-chair and professor of Hebrew and East Asian languages and literatures.

"The Dead Sea Scrolls are crucial to understanding Judaism and Christianity," says Bernard Cooperman, director of UMCP's Meyerhoff Center. The scrolls contain the earliest known copies of books of the Bible, biblical commentaries, and the religious texts of a Jewish sectarian community that flourished for centuries at Qumran in the Judean desert.

Cooperman explains that biblical studies have been revolutionized by revelations about the early transmission and study of the sacred text. He says historians have been able to explore the vitality and variety of the Jewish religion during the Second Temple period and to reassess the world from which Jesus came and to which he addressed his message.

"The scrolls revolutionized our knowledge of the Jewish world in the 1st century BC and 1st century AD—the world out of which Christianity emerged," says Ken Holum, colloquium co-chair and associate professor of history.

Colloquium speakers will be Carol Newsom, professor in the Candler School of Theology at Emory University, who will present "How to Make a Sectarian: Forming Identity in a Religious Community;" James VanderKam, professor, University of Notre Dame, who will present "The Qumran Texts and the Jewish Sects;" and Joseph Baumgarten, professor of Rabbinics at Baltimore Hebrew University, who will present "A 'Scriptural' Citation in a



One of the original group of scrolls found in 1947

Cave 4 Manuscript of the *Damascus Document*.

The colloquium will be held from 1:30-5 p.m. on Sunday, November 3, in the Volunteer Fire Fighters Room of the University's Center for Adult Education. The colloquium is free and open to the public.

Jewish Studies Program Enhanced Through Donations

The recent addition of Yiddish books through donations "opens up the possibility of College Park becoming a major research center for Yiddish life and culture," according to Bernard Cooperman, director of the University's Joseph and Rebecca Meyerhoff Center for Jewish Studies.

Cooperman is referring to donations by Yiddish of Greater Washington, The Workmen's Circle of Washington and the Joseph Meyerhoff Fund of Baltimore.

Yiddish of Greater Washington and The Workmen's Circle of Washington each donated \$1,000 to the University's Libraries to expand Yiddish holdings. A five-volume

catalog of the YIVO Library, the premier institution of Yiddish studies in the world, and approximately 100 volumes from the National Yiddish Book Center in Amherst, Massachusetts were purchased with the gifts. These materials are now available at the McKeldin and Hornbake Libraries.

The \$10,000 donation from the Joseph Meyerhoff Fund of Baltimore was placed with the National Yiddish Book Center for the purpose of placing at UMCP a basic collection of approximately 900 cataloged volumes of Yiddish works.

According to Heleni Pedersoli, bibliographer for Foreign Language and Jewish Studies for UMCP

Libraries, the National Yiddish Book Center singled out UMCP for the donation because of the University's strong Jewish Studies program, its high population of Jewish students, and the need for additional resources to support programs of study. These volumes will be available at the end of November.

The collection of Yiddish books at UMCP was begun in large part in 1984 by Freidel Frank, who donated approximately 1,000 books owned by her late husband Murray Frank. The Franks were teachers and lecturers in Yiddish.

Louis Harlan Honored Once Again

Pulitzer Prize winner Louis Harlan, distinguished professor of history, is being honored once again, this time by the National Historical Publications and Records Commission (NHPRC).

On November 7, Harlan will receive NHPRC's 1991 Award for Distinguished Service in Documentary Preservation and Publication. "This award is a real honor, and I am very pleased," said Harlan. "But I've been given enough awards—it's someone else's turn," he adds.

The list of awards won by Harlan is impressive. It includes the Pulitzer Prize, Columbia University's Bancroft Prize, and the American Historical Association's Albert J. Beveridge Award for *Booker T. Washington: The Wizard of Tuskegee, 1901-1915*, volume two of

his two-volume biography of the black educator and spokesman. Volume one, *The Making of a Black Leader*, also won the Bancroft Prize.

The most recent addition to this already lengthy list of awards is presented by NHPRC to honor individuals "who have made exemplary contributions in the fields of archival preservation and documentary publication." Harlan cites *The Booker T. Washington Papers*, his 14-volume edition of Washington's private correspondence, speeches, memos and other papers, and his four-year service to the NHPRC as contributors to his winning the award.

"This award comes at a time when I am about to retire, so it adds to the pleasure awaiting me," says Harlan. The pleasure Harlan is

referring to upon his retirement in June 1992 includes compiling a one-volume collection of Booker T. Washington documents; compiling a collection of his presidential addresses to the American Historical Association, the Organization of American Historians, and the Southern Historical Association; and writing memoirs of World War II.

The 1991 Award for Distinguished Service in Documentary Preservation and Publication will be presented to Harlan at a special reception during the NHPRC meeting at the National Archives in Washington, D.C.

Beth Workman



Louis Harlan

MAXIMA Corp. CEO Joshua Smith to Speak

Joshua I. Smith, founder, chair, and CEO of MAXIMA Corporation, will speak on "Science, Technology, and Entrepreneurship" Tuesday, Oct. 29 from 1:30 to 3 p.m. in Room 2111, Stamp Student Union. Chair of President Bush's Commission on Minority Business Development, Smith holds numerous awards and honors from business and civic groups for his managerial and entrepreneurial skills. His talk is part of the Computer Science Center Distinguished Lecture Series and is co-sponsored by the Afro-American Studies Program. For more info, call 405-2950.

College Park Physicists Date Sites in Israel, Africa



William Hornyak (left) and Alan Franklin

"[The site] was a hunting camp set up by hunters-gatherers who used a very simple hunting technique: they dug a pit and hid in it, waiting for the animals to come by for a drink at a nearby lake," says William F. Hornyak, emeritus professor of physics.

"Other evidence found at the site suggests that a Stone Age society was involved," adds visiting professor Alan Franklin. "We estimated that the site was about 77,000 years old and since then, dates obtained by other techniques fit in exactly."

Hornyak and Franklin are describing an archaeological site located beside a lake in southern Africa's Kalahari Desert. The two researchers were asked to date the

site based on samples given to them by Allison Brooks, an anthropologist at George Washington University and her collaborator John Yellin at the National Science Foundation.

Hornyak and Franklin used the dating method known as thermoluminescence (TL), a technique very useful for sites so ancient that any carbon-14 once present would have decayed away, as well as for more recent sites where associated carbonaceous material is not available.

Hornyak's archaeometric career began with two visits to Caesarea, Israel. Members of the Conservation and Analytical Laboratory (CAL) of the Smithsonian Institution were impressed with the archaeometric expertise displayed by Hornyak during those visits. In 1983 they loaned him the necessary equipment, on a permanent basis, to set up his own archaeometric laboratory in the College Park physics department.

Hornyak has subsequently acquired substantial amounts of additional equipment, thanks to strong support from the Anthropology Program of the National Science Foundation.

Since those first two trips to Israel, the archaeometry group has never looked back. They have since been asked to date a site along the Zemlicki River in Zaire.

Archaeologists there have "found very sophisticated fishing harpoons which I think are made out of bone," says Hornyak. "They didn't expect to find them in a site this old. There's a possibility that

the site is the oldest in which the use of such sophisticated techniques has been found. It may push the age of *homo sapiens* further back in Africa than is usually assumed."

The staff of the Archaeometry Laboratory has also been called upon to solve another archaeological conundrum in the Near East: Where did the Early Bronze Age inhabitants of the region find the tin to make the bronze?

"Bronze involves a mixture of copper and tin, and while there are ample supplies of copper-bearing minerals everywhere in the Near East, tin is rarely found anywhere," explains Hornyak.

His group has been given some crucibles by Pamela Vandiver, an anthropologist at the Smithsonian's CAL, that were apparently used in smelting tin. Hornyak says that—depending on the results of the dating process—

"the answer may be that the source for the Early Near Eastern bronze was the tin mines in the mountains of present-day Central Turkey."

Another puzzle Hornyak and Franklin have pieced together is of a geological rather than archaeological nature. The researchers were asked by a San Francisco consulting firm to date samples from a vein of calcite deposited in a fissure of a limestone stratum in Israel. They were able to do so, saying that it was 4.5 million years old. The fissure itself, therefore, is also at least the same age and this in turn sheds light for geologists on the stability of the region.

Pam Solomos

Thermoluminescence Dating: How it Works

For Hornyak and his team, the biggest brain-teaser they face is why and how thermoluminescence works in the first place. The group, presently consisting of graduate student Richard Kaylor and undergraduate students Mark Gottfried and Scott Treude, in addition to Hornyak and Franklin, devote 50 percent of their time to a number of theoretical investigations.

These have attracted numerous visitors, some from overseas, including Prof. Reuven Chen of Tel Aviv University, Israel, who has spent several summers here.

Hornyak describes the process of TL thus: "You heat the samples and they light up," adding as an afterthought that the "light" is of atomic origin, i.e. luminescence, not to be confused with incandescence.

The light, in turn, depends on exposure to ionizing radiation from natural radioactive elements in the soil, etc. The light can be used to measure the total dose of this radiation received by the sample during the centuries that it has lain in the ground.

This information is then combined with a separate measurement of the intensity of the radiation (accumulated dose per year) to calculate the age. This "age" usually refers to the last time the object was at an elevated temperature, for example, the time when a ceramic pot left the kiln in which it was fired.

Not long ago the group decided to use calcite to figure out the effect of heat treatment on its TL. William Pagonis, chair of the physics department of Western Maryland College (WMC), joined in this particular aspect of the collaboration and has now returned to WMC to continue with it in his own newly acquired TL laboratory.

When it comes to dating sediments, however, the scientists are critically dependent on the bleaching of the TL signal by sunlight while the sediment is being deposited (and places like the Mediterranean region are of course notorious for the abundance of sunlight).

It so happens that some of these sediments, for example, quartz, are

bleached very rapidly. In this case the scientists can assume the TL that they measure correctly determines the time when the sediment was deposited at the site.

Most recently the archaeometry group is investigating a new technique based on optically stimulated luminescence.

"Both kinds of luminescence are very promising dating techniques," sums up Hornyak. "We also believe that their reliability and precision could be further improved...There's a lot expected of these luminescence techniques but they're very complex processes. Bits and pieces of understanding exist already."

In the dance of the physical universe, whose choreography physicists divine but dimly, TL allows a few veils of its mystery to drop, only to tantalize with the presence of others. The naked truth has yet to be revealed.

Pam Solomos



President William E. Kirwan and Loren R. Taylor, executive director of Alumni Programs

Alumni Association VISA Cards Now Available

Beginning Nov. 1, College Park Alumni Association VISA cards will be available to qualified Alumni Association members and students. A special low interest rate card (16.32 percent) is being offered to dues-paying members, while a 17.4 percent rate is available to other alumni and students. A percentage of every purchase made with these cards will be used to support the Alumni Association. The annual first-year fee for these special VISA cards will be waived for applicants who apply by Dec. 31, 1991. For more information, call Alumni Programs at 405-4678. To apply by phone, call 1-800-252-9002.

F.Y.I.

Dorfman Discusses Program Cuts

The following excerpts are taken from an address made to the Campus Senate by J. Robert Dorfman, academic vice president and provost, on Oct. 17.

...To keep us all from sinking into a level sea of mediocrity, we have elected *not* to make across-the-board cuts, but rather to protect some units as much as possible, while asking that other units bear a greater percentage burden of the budget and position cuts.

For the colleges identified by the Academic Planning Advisory Committee (APAC) as needing a certain amount of protection from cuts, the average base budget cut since this process began is between six and eight percent of the base FY '91 budget. For those colleges APAC felt to be less *immediately* central to our mission, the range is much higher—from 11 to 12 percent.

Having mentioned APAC, I would like to bring you up to date on the process of priority setting within Academic Affairs.

As you know, last spring the Office of Academic Affairs released the report *Preserving Enhancement*, based on the work of faculty committees organized within each college. These committees, together with the college deans, developed and submitted a plan to APAC. APAC in turn worked through the plans, interviewed all the deans and made its recommendations to the campus. Over the past several months, over 125 members of our academic community—faculty and students—served on some 18 committees established by my office to help chart the course of our academic future. This involved among other things the examination of nine programs or departments and two colleges.

By the end of October, in fact by the end of this week, we should have received reports on the nine programs or departments and the

two colleges for which some reduction or elimination was proposed.

Each report is being submitted first to the appropriate dean, who makes his or her comments. Within one week, the report with comments is forwarded to me. I share it with APAC, and together we discuss what action needs to be taken. If the elimination of a program is being considered, APAC then schedules an open forum to allow affected faculty, staff and students to present information and counter arguments. After further consideration, APAC prepares a written recommendation to the provost for submission of the recommended action to the president and then to the Campus Senate. I anticipate that the Senate PCC will shortly have before it for consideration the recommendations affecting a substantial number of these departments and colleges.

I ask you at this time to take very seriously, as I know you will, your responsibility to act on whatever recommendations are forwarded for program elimination or revision. If we fail to act after rational discussion of these recommendations, then we may be subject to less rational decisions forced on us by external forces.

What we are doing is going to have a serious effect on the citizens of Maryland. Even mentioning the possibility of eliminating a program elicits literally hundreds of letters from around the state. Students now enrolled and students planning to apply to College Park in the near future are rightly asking questions about our plans. The next several years are going to be painful and messy. I refuse to indulge in the game of "worst-case scenarios" but I simply don't see how we can emerge without seriously damaging the educational goals of a number of people and the professional development of some of our faculty....

The transitional period that we are currently living through is a time of some opportunity as well as much stress. It is a time of difficulties—major difficulties—and I don't mean to minimize them, but all of us have sensed that these difficulties can have potential benefits. They provide the impetus for some serious, meaningful changes in the way we view and organize our academic activities at College Park. We would be very foolish not to seize this opportunity to effect some changes—some of which are long overdue.

What will be the character of this transition? Clearly, we will see a reduction in the number of administrative structures. Colleges and departments will be eliminated or reorganized, programs will be downsized. Colleges and departments will have to forego their "one of everything" attitude. We must examine our management structures to see where revisions and consolidation may actually improve our performance.

We *all* will be expected to make better use of the resources we have. We *all* will be asked to look critically at some serious internal reallocation of resources. The Strategic Planning Committee, the cabinet, and ultimately the president will be looking to balance needs and requests from all of the units from a campus-wide perspective. This activity is part of a still larger picture whose broad outlines are only beginning to come into focus.

If we can go smoothly through this transition, we will learn how to make changes less painful, less threatening and more a matter of course. Planning for lean times in the midst of plenty should *now* become an integral part of our development strategy. Those activities whose time has passed should be replaced and those which are flourishing should be encouraged....

Program Closing Hearings Set for Oct. 30 and Nov. 6

An open hearing concerning the downsizing and possible elimination of the Department of Urban Studies (URBS) and a restructuring of the institute will be held on Wednesday, Oct. 30 from 2-4 p.m. in Room 1243 of the Zoology-Psychology Building.

A second open hearing about the possible elimination of the Department of Recreation is scheduled for Wednesday, Nov. 6 from 12 noon-2 p.m. in Room 2108 of the Chemical Engineering Building.

At the hearings those whose programs are affected will have the opportunity to present facts and opinions about the recommendations.

The hearings will be attended by J. Robert Dorfman, academic vice president and provost, as well as members of the Academic Planning Advisory Committee and members of the Review Committees.



CALENDAR

Elsing to be Featured Soloist with Maryland Symphony

Cellist Evelyn Elsing, a member of the university's music faculty, will be the featured soloist in a University of Maryland Symphony Orchestra concert on Friday, Nov. 1. Under the direction of William Hudson, also on the music faculty, the concert will take place at 8 p.m. in Tawes Recital Hall. Elsing will be featured in the Haydn Cello Concerto in D major. Other music on the program will include Beethoven's Leonora Overture No. 3, Schubert's Symphony in B minor, the "Unfinished," and Brahms' rousing Academic Festival Overture. In addition to this attractive program with its distinguished cellist and conductor, there's more good news: the concert is absolutely free. Call 405-5548 for information.



Evelyn Elsing

OCTOBER 28-NOVEMBER 6

28 MONDAY

Art Gallery Exhibition: "Dreams, Lies, and Exaggerations: Photomontage in America," featuring 122 works of art, including magazine lay-outs, book jackets, brochures as well as fine art photography, Oct. 21-Dec. 20, The Art Gallery. Call 5-2763 for info.

Maryland Water Resources Research Center Seminar: "Maryland's Solid Approach to Solid Waste Management," Ronald Nelson, Maryland Department of the Environment, 4-5:30 p.m.; refreshments, 3:30 p.m., 3103 Chemistry. Call 5-6829 for info.

Horticulture Seminar: "Dogwood Anthracnose: Organism Morphology and Plant Symptom Characterization in Maryland," Scott Redlin, USDA-ARS, Beltsville, 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

Entomology Colloquium: "The Behavior and Evolution of Dimorphic Males in *Perdita* Bees," Bryan Danforth, Smithsonian Institution, 4 p.m., 0200 Symons Hall. Call 5-3911 for info.

Campus Recreation Services: Intramural entries close, 4 p.m., 1104 Armory. Call 4-7217 for info.

Computer Science at College Park Colloquium: "The Vulcan Project," Marc Snir, IBM T.J. Watson Research Center, 4 p.m., 0111 Classroom Bldg. Call 5-2737 for info.

29 TUESDAY

Employee Development Seminar: "Employee Relations and the Supervisor," 9 a.m.-4 p.m., Training Room, Administrative Services Bldg. Call 5-5651 for info.

Personnel Services Department Health Benefits Fair, featuring representatives from benefit organizations, 9:30 a.m.-noon and 1:30-4 p.m., Prince George's Room, Stamp Student Union. Call 5-5654 for info.

Instructional Television and Systems Research Center Annual Symposium, live satellite broadcast, 11 a.m.-5 p.m. (EST), 1100 ITV Bldg.; poster and demo session, 5:30-7:30 p.m., Adult Education Center. Call 5-4905 for info.

Ecology, Evolution and Behavior Colloquium: "Digital Darwinism," Tom Ray, U. of Delaware, noon, 1208 Zoo/Psych. Call 5-6948 for info.

Undergraduate Women's Leadership Committee Brown-Bag Luncheon Dialogue: "Sexual Harassment," 12 noon-1:30, 1137 Stamp Union. Call 4-8505 for info.

Computer Science Center Distinguished Lecture: "Science, Technology and Entrepreneurship," Joshua I. Smith, MAXIMA Corp. and chair, President Bush's Commission on Minority Business Development, 1:30-3 p.m., 2111 Stamp Student Union. Call 5-2950 for info.

Women's Soccer vs. North Carolina, 3 p.m., Denton Field. Call 4-7070 for info.

Physics Colloquium: "Multi-dimensional Potential Surfaces: How We and Clusters Explore Their World," Stephen Berry, U. of Chicago, 4 p.m.; tea, 3:30 p.m., 1410 Physics. Call 5-5953 for info.

Center for International Business Education and Research (CIBER) Seminar: "Shaping Public Policy in Telecommunications," Robert T. Blau, BELLSOUTH Corp., 5-6:15 p.m., 0130 Tydings. Call 5-2136 for info.

Dance Performance, Improvisations Unlimited, today-Nov. 2, 8 p.m., Dorothy Madden Studio/Theater; \$8 standard admission, \$6 students and seniors. Call 5-3190 for info.

30 WEDNESDAY

Employee Development Seminar: "Accident Investigation in the Workplace: What Every Supervisor Should Know," 9:30 a.m.-12:30 p.m., Training Room, Administrative Services Bldg. Call 5-5651 for info.

Counseling Center Research and Development Meeting: "Facilities Master Plan 1990-2004: Plans for UMCP's Physical Development," Brenda Testa, Office for Resource Planning and Budgets, noon-1 p.m., 0106-0114 Shoemaker. Call 4-7691 for info.

possible elimination of the department 2-4 p.m., Room 1243 Zoo-Psych Building. Call 5-6820 for info.

Men's Soccer vs. James Madison, 3 p.m., Denton Field. Call 4-7070 for info.

Art Gallery Tour/Lecture, of exhibition, "Dreams, Lies, and Exaggerations: Photomontage in America," Cynthia Wayne, curator, 7 p.m., Art Gallery Art/Soc Bldg. Call 5-2763 for info.

Dance Performance, Improvisations Unlimited, 8 p.m., Dorothy Madden Studio/Theater. \$8 standard admission, \$6 students and seniors. Call 5-3190 for info.

31 THURSDAY

Meteorology Seminar: "Progress in Computational Fluid Mechanics," Harland Glaz, Mathematics, 3:30 p.m., 2114 Computer and Space Sciences; refreshments, 3 p.m. Call 5-5392 for info.



The Concert Society at Maryland opens the season's "Olde Musicke Series" with Medieval music specialists, *Sequentia*, performing Saturday, Nov. 2 at 8 p.m. in the Adult Education center. The program, "The Singer of Tales," features episodes from the *Chanson de Roland* and from the legend of Tristan and Isolde. There will be a pre-concert seminar at 6:30 p.m. Ticket prices are \$17 standard admission, \$14.50 seniors, \$15.30 faculty and \$5 students.

Zoology Colloquium: "The Use of Molecular Probes to Localize the *Nude* Mutation on Mouse Chromosome 11," Linda Byrd, Zoology, 3:30 p.m., 1208

International Business and Foreign Language Studies Open House: "Cultural Sensitivity in the Global Marketplace: Who Cares?," Deborah Maher, Synapse, Inc., noon-2 p.m., multipurpose room, Language House. Call 5-2136 for info.

Molecular and Cell Biology Seminar: "Convergence of ETS- and Notch-Related Structural Motifs in a Heteromeric DNA-Binding Complex," Catherine Thompson, Carnegie Institution of Washington, 12:05 p.m., 1208 Zoo/Psych. Call 5-6991 for info.

Academic Planning Advisory Committee (APAC) Open Hearing for the Department of Urban Studies, concerning

Dance Performance, Improvisations Unlimited, 8 p.m., Dorothy Madden Studio/Theater. \$8 standard admission, \$6 students and seniors. Call 5-3190 for info.

NOVEMBER

1 FRIDAY

Cooperating Chaplaincies' Day of Reflection and Prayer in a Time of Uncertainty, a place of quiet for all members of university community to pause, reflect and pray, 8 a.m.-5 p.m., West Chapel, Hillel Center. Call 5-8448 for info.

Psychology Seminar: "Dendritic Branching, Spines and Synapses," Wilfred Rall, NIH, noon, 1208 Zoo/Psych. Call 5-7228 for info.

Counseling Center Research and Development Meeting: "The Sequelae of Violence for

Victims and Their Caregivers," Bonnie Fauman, psychiatrist, UMBC, noon-1 p.m., 0106-0114 Shoemaker. Call 4-7691 for info.

First National Bank of Maryland Research Colloquium in Finance: "Optimal Capital Structure Under the German Tax Environment," Richard Stehler, Augsburg U., Germany, 1-2:30 p.m., 2102 Tydings. Call 5-2256 for info.

Dance Performance, Improvisations Unlimited, 8 p.m., Dorothy Madden Studio/Theater. \$8 standard admission, \$6 students and seniors. Call 5-3190 for info.

University of Maryland Symphony Orchestra Concert, William Hudson, director, featuring music of Beethoven, Schubert, Brahms and Haydn, 8 p.m., Tawes Recital Hall. Call 5-5548 for info.

2 SATURDAY

Concert Society at Maryland, *Sequentia*: "The Singer of Tales," musical storytelling from the

featuring 122 works of art, including magazine lay-outs, book jackets, brochures as well as fine art photography, Oct. 21-Dec. 20, The Art Gallery. Call 5-2763 for info.

Maryland Water Resources Research Center Seminar: "Drinking Water Quality—Standards and Regulations: Their Impact on State and Local Programs," Jennifer Orme, U.S. Environmental Protection Agency, 4-5:30 p.m.; refreshments, 3:30 p.m., 3130 Chemistry. Call 5-6829 for info.

Horticulture Seminar: "Cold Acclimation and Chilling: A Molecular Approach," Mohamed M. Muthalif, Horticulture, 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

Entomology Colloquium: "Simulation Studies with *Aedes aegypti* and Dengue Virus Transmission," Dana A. Fochs, USDA, Gainesville, FL, 4 p.m., 0200 Symons Hall. Call 5-3911 for info.

Computer Science at College Park Colloquium: "An Algebraic Approach to Program Dependencies," Kreshav Pingali, Cornell U., 4 p.m., 0111 Classroom Bldg. Call 5-2737 for info.

5 TUESDAY

Zoology Colloquium: "Evolutionary Genetics of Native Hawaiian Birds," Rob Fleischer, National Zoo, noon, 1208 Zoo/Psych. Call 5-6942 for info.

Physics Colloquium: "Interface and Step Fluctuations," John Weeks, IPST, 4 p.m.; tea, 3:30 p.m., 1410 Physics. Call 5-5953 for info.

Women's Field Hockey vs. Loyola, 7 p.m., Astroturf Field. Call 4-7070 for info.

6 WEDNESDAY

Academic Planning Advisory Committee (APAC) Open Hearing for the Department of Recreation, concerning the possible elimination of the department, 12 noon-2 p.m., Room 2108 Chemical Engineering Building. Call 5-6820 for info.

Counseling Center Research and Development Meeting: "Too Many Heads, Too Few Seats: Course Availability Issues During Cost Containment," William Spann, Records and Registration, noon-1 p.m., 0106-0114 Shoemaker. Call 4-7691 for info.

Anthropology Seminar: "TBA," Michael Blakey, Howard U., 3-5 p.m., 0103 Key. Call 5-1436 for info.

Special Physics Seminar: "Intercomparison of GCM Results and Observation Data for Precipitation and Cloudiness Fields," Igor Mokov, Institute of Atmospheric Physics, Academy of Sciences, Moscow, USSR, 3:30 p.m., 2114 Computer and Space Sciences. Call 5-5953 for info.

Architecture Lecture: "Ottoman Houses and Turkish Tradition," Walter Denny, Amherst College, 7:30 p.m., Architecture Auditorium. Call 5-6284 for info.

* Admission charged for this event. All others are free.



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